| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|---------|--|---|---------------------|---------|------------------|
| L9 | 7678 | ((hierarch\$6 near7 model) (hierarch\$6 adj5 hidden adj5 markov adj5 model) HHMM (hierarch\$6 adj5 gaussian adj5 mixture adj5 model) HGMM) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:39 |
| L10 | 1026268 | (video movie tv mpeg) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:39 |
| L11 | 34523 | (L10 near7 (feature characteristic)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:39 |
| L12 | 6 | L11 same L9 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:41 |
| L13 | 7678 | ((hierarch\$6 near7 model) (hierarch\$6 adj5 hidden adj5 markov adj5 model) HHMM (hierarch\$6 adj5 gaussian adj5 mixture adj5 model) HGMM) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:39 |
| L14 | 1587 | (video movie tv mpeg jpeg) with ((set group) near7 features) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:39 |
| L15 | 43 | L13 and L14 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:39 |
| L16 | 5079 | (redundan\$2 reduplicat\$3) near7 feature | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:39 |
| L17 | 6 | L15 and L16 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:41 |

| L18 | 6940 | bayesian | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:39 |
|-----|---------|---|---|----|----|------------------|
| L19 | 3 | L17 and L18 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:41 |
| L20 | 183 | unsupervised same statistical same learning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:40 |
| L21 | 1026268 | (video movie tv mpeg) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:40 |
| L22 | - 10 | L20 and L13 and L21 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:42 |
| L23 | 6940 | bayesian | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:40 |
| L24 | 355029 | (rank\$3 near7 order\$3) sort\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:40 |
| L25 | 161 | L23 same L24 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:40 |
| L26 | 183 | unsupervised same statistical same learning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:40 |
| L27 | 5 | L25 and L26 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:40 |

| S1 | 27692653 | @rlad<"20010629" @rlpd<"20010629" @pd<"20010629" @ad<"20010629" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/18 11:29 |
|-----|----------|--|---|----|----|------------------|
| S2 | 4580 | 382/159,164,165,190-195.ccls. 700/47.ccls. 704/256.1-256.8.ccls. 706/106.fref. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/26 14:55 |
| S3 | 7227 | ((hierarch\$6 near7 model) (hierarch\$6 adj5 hidden adj5 markov adj5 model) HHMM (hierarch\$6 adj5 gaussian adj5 mixture adj5 model) HGMM) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/26 15:06 |
| S4 | 987928 | (video movie tv mpeg) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 10:40 |
| S5 | 32815 | (S4 near7 (feature characteristic)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/26 15:09 |
| S6 | 6 | S5 same S3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:39 |
| S7 | 219 | S3 same S4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/26 15:11 |
| S8 | 6 | S2 and S7 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/26 15:11 |
| S9 | 169 | unsupervised same statistical same learning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 10:35 |
| S10 | 62 | unsupervised with statistical with learning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 10:35 |

| S11 | 7233 | ((hierarch\$6 near7 model) (hierarch\$6 adj5 hidden adj5 markov adj5 model) HHMM (hierarch\$6 adj5 gaussian adj5 mixture adj5 model) HGMM) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 17:09 |
|-----|--------|--|---|----|----|------------------|
| S12 | 988338 | (video movie tv mpeg) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 10:36 |
| S13 | 8 | S9 and S11 and S12 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:40 |
| S14 | 26880 | (video movie tv mpeg jpeg) with features | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 10:42 |
| S15 | 1437 | (video movie tv mpeg jpeg) with ((set group) near7 features) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 10:42 |
| S16 | 43 | S11 and S15 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 11:20 |
| S17 | 4868 | (redundan\$2 reduplicat\$3) near7 feature | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 10:50 |
| S18 | 6 | S16 and S17 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 11:04 |
| S19 | 6313 | bayesian | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 10:52 |
| S20 | 3 | S18 and S19 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:39 |

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|-----|----------|--|---|----|----|------------------|
| S21 | 342291 | (rank\$3 near7 order\$3) sort\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 10:55 |
| S22 | 129 | ((rank\$3 near7 order\$3) sort\$3 sequen\$7) same (S11 and feature) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 10:56 |
| S23 | 3 | S20 and S22 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 10:57 |
| S24 | 27842204 | @rlad<"20010629" @rlpd<"20010629" @pd<"20010629" @ad<"20010629" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 11:21 |
| S25 | 31 | S24 and S16 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 14:42 |
| S26 | 6313 | bayesian | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 14:43 |
| S27 | 342291 | (rank\$3 near7 order\$3) sort\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 14:43 |
| S28 | 148 | S26 same S27 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 14:43 |
| S29 | 169 | unsupervised same statistical same learning | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 14:44 |
| S30 | | S28 and S29 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:40 |

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|-----|------|--|---|------|----|------------------|
| S31 | 242 | (hierarch5 adj5 hidden adj5 markov adj5 model) HHMM | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 17:13 |
| S32 | 3 | (color textur\$3 motion movement displacement) with S31 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 17:11 |
| S33 | 8 | (color textur\$3 motion movement displacement) same S31 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 17:13 |
| S34 | 7609 | (hidden adj5 markov adj5 model) HMM | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 17:14 |
| S35 | 344 | (color textur\$3 motion movement displacement) same S34 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 17:14 |
| S36 | 200 | (color textur\$3 motion movement displacement) with S34 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 17:15 |
| S37 | 6204 | (hidden adj5 markov adj5 model) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2007/03/27 17:14 |
| S38 | 223 | (color textur\$3 motion movement displacement) same S37 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 17:14 |
| S39 | 129 | (color textur\$3 motion movement displacement) with S37 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 17:27 |
| S40 | 4585 | 382/159,164,165,190-195.ccls. 700/47.ccls. 704/256.1-256.8.ccls. 706/106.fref. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 17:27 |

| S41 | 10 | S39 and S40 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 18:55 |
|-----|----------|--|---|----|--------|------------------|
| S42 | 23 | (low?level (low adj5 level)) same S37 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 17:28 |
| S43 | 1 | least adj3 squares adj3 estimate adj3 camera adj3 translation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 18:56 |
| S44 | 2 | (least adj3 square adj3 estimate) same (camera near7 translation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 19:01 |
| S45 | 27 | markov near7 blanket | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 19:59 |
| S46 | . 8 | (feature with filter\$3) same S45 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 19:03 |
| S47 | 1241 | expectat\$3 near7 maximiz\$7 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 19:07 |
| S48 | 209 | (markov near7 chain\$3) same (monte adj3 carlo) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 19:08 |
| S49 | 23 | S47 and S48 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 19:11 |
| S50 | 27842204 | @rlad<"20010629" @rlpd<"20010629" @pd<"20010629" @ad<"20010629" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/27 20:00 |

| S51 | 7 | S50 and S45 | US-PGPUB; USPAT; EPO; JPO; DERWENT; | OR | ON | 2007/03/27 20:00 |
|-----|---|-------------|--|----|----|------------------|
| | | | IBM_TDB | | | |

Interference

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|---------|---|---|---------------------|---------|------------------|
| L1 | 470 | (((hierarch\$6 near7 model) (hierarch\$6 adj5 hidden adj5 markov adj5 model) HHMM (hierarch\$6 adj5 gaussian adj5 mixture adj5 model) HGMM)).clm. | US-PGPUB | OR | ON . | 2007/07/30 18:43 |
| L2 | 1026268 | (video movie tv mpeg) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 18:44 |
| L3 | 1185 | ((L2 near7 (feature characteristic))).clm. | US-PGPUB | OR | ON | 2007/07/30 18:44 |
| L4 | 2 | 1 same 2 | US-PGPUB | OR | ON | 2007/07/30 18:46 |
| L5 | 1 | 1 same 3 | US-PGPUB | OR | ON | 2007/07/30 18:46 |
| L6 | 470 | (((hierarch\$6 near7 model) (hierarch\$6 adj5 hidden adj5 markov adj5 model) HHMM (hierarch\$6 adj5 gaussian adj5 mixture adj5 model) HGMM)).clm. | US-PGPUB | OR | ON | 2007/07/30 18:45 |
| L7 | 79 | ((video movie tv mpeg jpeg) with ((set group) near7 features)).clm. | US-PGPUB | OR | ON | 2007/07/30 18:46 |
| L8 | 1 | 6 and 7 | US-PGPUB | OR | ON | 2007/07/30 18:46 |